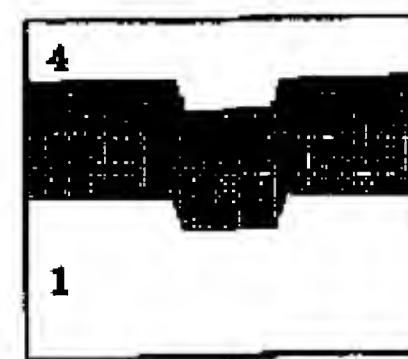


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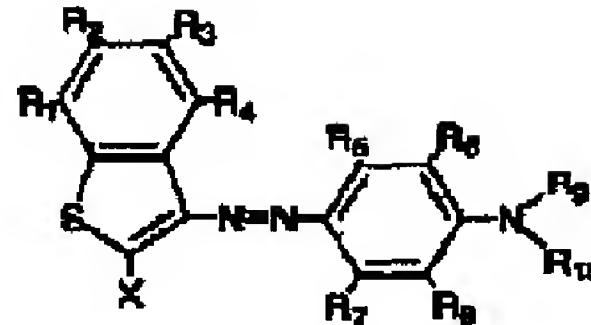
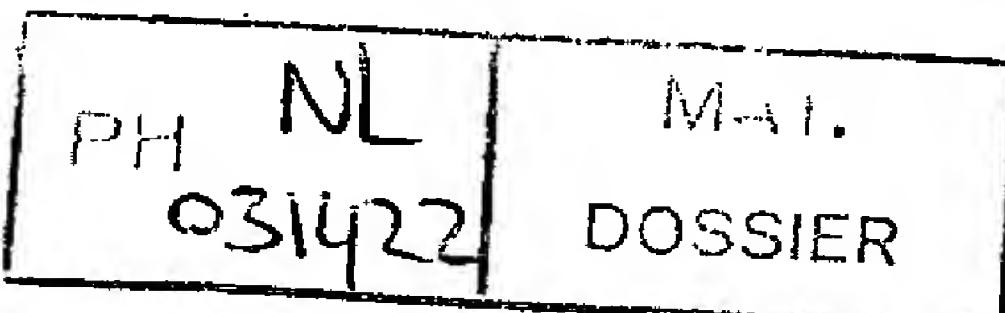
APPLICATION DATE : 13-10-94
 APPLICATION NUMBER : 06247884

APPLICANT : MITSUI TOATSU CHEM INC;

INVENTOR : TAKUMA HIROSUKE;

INT.CL. : G11B 7/24 B41M 5/26

TITLE : OPTICAL RECORDING MEDIUM



[式中、R₁、R₂、R₃及びR₄は各々独立に水素原子、ハロゲン原子、ニトロ基、シアノ基、置換または未置換のアルキル基、アルコキシ基、アリル基を表す。R₅、R₆、R₇、R₈及びR₁₀は各々独立に、水素原子、ハロゲン原子、ヒドロキシ基、カルボキシル基、スルホン基、置換または未置換のアルキル基、アルコキシ基、アリル基、アシル基、アルキルカルボキシル基、アラルキル基、アルキルカルボニルアミノ基、アルキルスルホンアミノ基、アルキルアミノ基、スルホンアミド基、アミノ基、アルキルカルボニル基、アルキルスルホン基、フェニル基を表し、R₉とR₁₀、R₅とR₁₀及びR₆とR₁₀は連結基を介して環を形成してもよい。Xは水素原子、アロイル基、エステル基を表す。]

ABSTRACT : PURPOSE: To record and reproduce with near infrared laser of 780nm by containing an azo compound having a specific composition and property in a recording layer provided on a substrate.

CONSTITUTION: The recording layer 2 is formed on the substrate 1, a reflection layer 3 is provided thereon in close contact with it and a protective layer 4 is provided thereon, to cover the reflection layer 3. The recording layer 2 contains the azo compound expressed by the formula and having absorption maximum in 450-630nm wavelength. As a result, the interchangeable optical recording medium capable of recording and reproducing with not only the conventionally used near infrared laser of 780nm but also red laser of 635-680nm of recording and reproducing wavelength is obtained.

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